

Rebuild Colorado Service: Facilitating High-Performance Design for New Buildings

How do you build new buildings that are as energy-efficient, comfortable and productive as possible, while staying within tight budgets and time schedules? High-performance building design can yield better, more efficient buildings by employing a teamwork approach and innovative design strategies. If you're thinking about a new building, now is the time to call **Rebuild Colorado**. The earlier you incorporate these design strategies, the more benefits you'll receive.



Use teamwork and innovation to design and build better buildings.

Our free services:

- Help you get buy-in for this approach
- Facilitate a high-performance design approach
- Provide engineering oversight to ensure that cost-effective energy efficiency options are considered in the design process

Call today!

303-894-2383, or 800-632-6662
e-mail rebuildco@state.co.us

What can high-performance design bring to my new building?

- ✓ A more productive environment: less absenteeism, higher work performance
- ✓ Daylighting and natural ventilation
- ✓ Better comfort: more insulation, better windows, better lighting
- ✓ Lower utility bills
- ✓ Less pollution generated
- ✓ Less toxic materials

COLORADO SUCCESS STORY

Zach Elementary, Poudre School District

Poudre School District, in Fort Collins, used high-performance design, or sustainable design, to get a new prototype elementary school that has lower overall energy bills than the 1990 model -- even though it's 22% larger and fully air-conditioned. "Instead of costing more, the new elementary came in under budget at \$100 per square foot -- below the average of \$120 per square foot for Front Range schools", reported Stu Reeves, the district's Energy Manager.



Daylighting design improves lighting quality and reduces utility bills

The design process also included commissioning, with the commissioning agent on board from the beginning. This ensured that the district's needs were being met throughout the process and that the installed equipment would function properly.

Zach Elementary is a showcase for many innovative energy-efficiency features including daylighting design and controls, super insulation, CO₂ sensors for ventilation, and thermal ice storage. The school also used dozens of products made of recycled materials, including the carpet, siding, cabinets and more. The design will create repeat benefits for the district as the design is used for additional schools in 2003 and 2006. For more information, visit the district's website at www.psd.k12.co.us/district/construction.